

KANETO, et al., 10/628,273  
04 August 2005 Amendment  
Responsive to 04 February 2005 Office Action

566.42987X00 / HT181801  
Page 4

**IN THE ABSTRACT:**

Please delete the original abstract and replace it with the new abstract which commences on a separate sheet.

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566.42987X00 / HT181801  
Page 5

### ABSTRACT OF THE DISCLOSURE

A design support apparatus ~~comprises including~~: a flow analysis means ~~analyzer~~ for analyzing a flow of thermosetting resin injected into a resin filling cavity to mold a resin mold product made of the thermosetting resin, using a finite difference method or a finite element method; a residual strain calculation means ~~calculator~~ for calculating residual strain (or stress) of the thermosetting resin after heat shrinkage of the thermosetting resin injected into the resin filling cavity to mold said ~~the~~ resin mold product; and a strength analysis means ~~analyzer~~ for analyzing strength of said ~~the~~ resin mold product, using a finite element method. According to this arrangement, strength of the resin mold product made of the thermosetting resin can be predicted accurately.